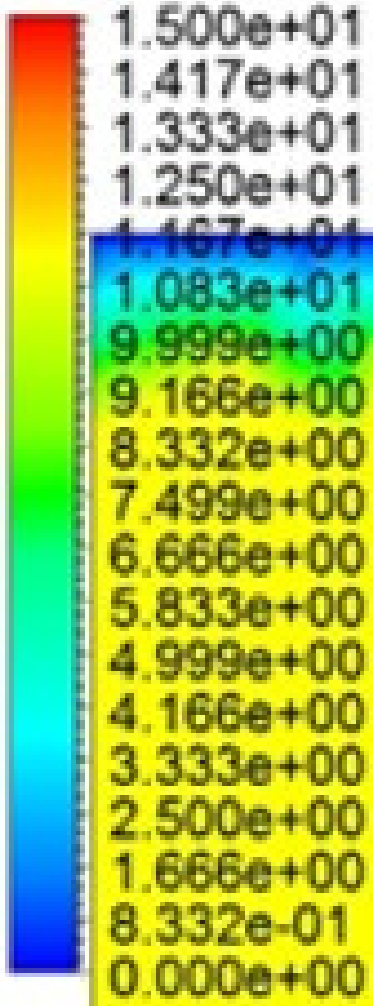


In the illustration below, red is the highest velocity, blue is lowest, the wind comes from the left at "yellow" speed, and this is a horizontal slice through the middle of the turbine with the shaft in the middle and two circular blades. Note that as the wind enters the turbine and reverses direction in order to hit the second blade as well (call it two for the price of one!), the simulation shows that the flow reaches "red" speed in the middle when the air spaces inside the turbine are just right and unique to our turbines. The higher the effective speed when the wind hits the blades, the more energy the turbine produces. The red area of increased speed to the side of the turbine shows why the cluster effect works. Each turbine drives wind tunnels into its neighbor. This simulation shows the scientific basis for two of our granted patents

Velocity in Stn Frame
Contour 1



[m s⁻¹]

